

# Creating an Alternative Fuel Training Network for Florida

Colleen McCann Kettles, P. I.  
University of Central Florida  
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Project ID #  
TI075

This presentation does not contain any proprietary, confidential, or otherwise restricted information

## Timeline

- Start: September 1, 2015
- End: August 31, 2017
- 50% Complete (No Cost Extension in Process)

## Budget

- Total Project Funding
  - DOE: \$600,000
  - Cost Share: \$150,000
- FY16 Funding: \$73,000
- FY17 Funding: \$92,000
- 50% Spent to Date\*

\*including outstanding invoices and encumbered funds (subrecipients)

## Barriers

- Lack of technical experience with new fuels and vehicle technologies
- Consumer reluctance to purchase new technologies.

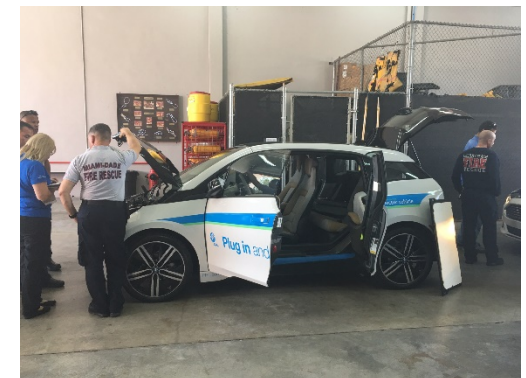
## Partners

- Project Lead  
University of Central Florida - Central Florida Clean Cities Coalition
- Collaborators  
Southeast Florida, Tampa Bay, and North Florida Clean Cities Coalitions; National Alternative Fuel Training Consortium; North American Towing Academy; FPL, TECO, Duke Energy, JEA; Public and Private Fleets

# Project Objectives



- Create and implement high impact and highly innovative approaches to increase the acceptance and deployment of Alternative Fuel Vehicles (AFVs) through safety related training.
- Establish an AFV training networks for the state of Florida that provides safety and technical training on electric drive, CNG and propane vehicles to current and future emergency first responders, public safety officials, and instructors at educational institutions that prepare the first responder workforce
- Integrate AFV Safety First Responder Training into the curriculum approved by the Florida State Fire Marshall.



# Project Objectives



## *Support of VTP Deployment Goals:*

Provide Best Practices, Objective Data, and Informational Materials to Potential End-Users and Communities to Promote Acceptance of Advanced Vehicles and Alternative Fuels



## **Lack of Technical Experience with New Fuels and Vehicle Technologies**

- Enlist support of the Florida State Fire College
- Conduct Train the Trainer Workshops
- Support Fire Fighter Training Workshops
- Support Fire Fighter Recruit Training
- Support Tow Operator Workshops

## **Consumer Reluctance to Purchase New Technologies**

- Engage fleets, dealerships, utilities, and others in providing vehicles for training
- Provide consumer outreach materials to instructors
- Conduct outreach through social media and other outlets
- Host public facing events with information about safety training

## Phase I Milestones

- Convene Project Team and Partners
- Identify Training Participants (by Coalition Region)
- Obtain Florida State Fire College Approvals (Participate in FCDICE as Fire Marshall Approved Provider)
- Schedule and Promote Train the Trainer Workshops
- Secure Demonstration Vehicles
- Conduct Training (with NAFTC)
- Enroll Fire Fighter Instructors (Approved by Fire Marshall)
- Assess Training

***Go/No-Go: Conduct and Evaluate Train the Trainer Workshops***

## Phase II Milestones

- Create Directory of First Responder AFV Safety Training Instructors
- Schedule Fire Fighter Workshops
- Secure Demonstration Vehicles
- Conduct Training
- Assess Training
- Conduct Tow Operator Training (with NATA and NAFTC)
- Develop Public Education Toolkit for First Responders (Using Clean Cities Outreach Materials)
- Identify Workforce Board Funding Opportunities (in cooperation with Florida's Workforce Development Boards)



# Accomplishments/Progress



- Comprehensive database of Florida's fire departments and public safety training institutions created by Coalition Partners
- Program Approval by Florida State Fire College
  - Educational Provider
  - Train the Trainer Course
  - First Responder Course
  - Instructors

Fire Prevention  
Fire Standards and  
Training

QUICK LINKS

FCDice  
Fire Service Certification  
Florida Fire Prevention  
Code  
Florida State Fire College  
Student Services  
Regulatory Licensing Info &  
Forms

DIVISION DIRECTOR  
Julius Hales

ASSISTANT DIVISION  
DIRECTOR  
Mark Sauls

200 East Gaines Street,  
Tallahassee, FL 32399-0322

[Send us an email](#)

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MYFLORIDAFIRE.COM > DIVISION > FPM > FCDICE > FCDICE

Gateway to the Division of State Fire Marshal's  
**Electronic Information Database**  
— FCDICE —

- IMPORTANT -

IN ORDER TO BE ABLE TO ACCESS ALL OF THE MENUS IN THE FCDICE SYSTEM, BE SURE TO USE "INTERNET EXPLORER" AS YOUR INTERNET BROWSER.

IF USING "INTERNET EXPLORER VERSION 8" OR LATER, YOU MAY HAVE TO ACCESS COMPATIBILITY VIEW (VIA THE DROP-DOWN TOOLS MENU) IN ORDER TO ACCESS ALL FCDICE MENUS.

Changes to Chapter 633, F.S. require that you update your FCDICE profile to ensure that the Bureau has your correct contact information should we need to contact you or send you important information regarding your certifications

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☐ Student

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- ☐ JEFF JULIAN  
Instructor JEFF JULIAN has been APPROVED to teach FIRST RESPONDER AFV SAFETY TRAINING - TTT. The Instructor ID# is 125526. **This class must be taught in a traditional classroom format. On-line delivery is not authorized unless you have received written approval from the Bureau of Fire Standards and Training.** 04/14/2016
- ☐ RN11868 - FIRST RESPONDER AFV SAFETY TRAINING - TTT  
The course titled FIRST RESPONDER AFV SAFETY TRAINING - TTT has been APPROVED. The Course ID number is RN11868. If you require any additional information or assistance regarding a class number beginning with FP, please contact the Bureau of Fire Prevention at (850) 413-3044. For other course numbers please contact us at: firecollege@myfloridafire.com. 04/07/2016
- This course must be taught in a traditional classroom format. On-line delivery is not authorized unless you have received written approval from Bureau of Fire Standards and Training.**
- If you are requesting continuing education credit for individuals who are dually-licensed as firesafety inspectors and by the Florida Building Code Administrators and Inspectors Board (BCAIB) pursuant to Section 633.081(7), Florida Statutes, you are required to submit form DBPR BCAI 10 to the Department of Business and Professional Regulations. Click [HERE](#) to download form and instructions. A copy of this approval notice must be included in your submission to DBPR.
- If you have already received approval from DBPR for this course and desire continuing education credit for firesafety inspectors, you are required to e-mail the DBPR course approval to [isfc.comments@myfloridafire.com](mailto:isfc.comments@myfloridafire.com). Put **BCAIB** in the subject line.
- If your browser has problems with the link above, please copy the following URL and paste it into your browser's address bar:  
[http://www.myfloridafire.com/dbpr/pro/build/documents/bcaib10\\_fire\\_marshall\\_training\\_course\\_and\\_provider.pdf](http://www.myfloridafire.com/dbpr/pro/build/documents/bcaib10_fire_marshall_training_course_and_provider.pdf)
- ☐ You have been APPROVED to provide training for courses. Your provider ID is 16380. 03/17/2016



# Accomplishments/Progress



- Coalition Partners scheduled and promoted workshops and arranged for demonstration vehicles
- Train the Trainer Workshops completed in each Coalition Region and at the state level
- Workshop evaluations compiled showing high level of satisfaction
- Database of trained instructors created
- Planning in progress for First Responder Workshops taught by trained instructors
- Tow Operator training curriculum coordinated with NAFTC
- Workforce Board opportunities documented

# Collaboration/Coordination



- Subrecipients and Partners

*Project Subrecipients:*

- North Florida Clean Fuels Coalition
- Tampa Bay Clean Cities Coalition
- Southeast Florida Clean Cities Coalition
- National Alternative Training Consortium
- North American Towing Academy

*Project Partners:*

- Florida State Fire College
- General Motors
- TECO
- OUC
- FPL
- Duke Energy
- JEA



# Collaboration/Coordination



## *Fire Departments and Academies:*

- Melbourne Fire Department
- Hillsborough Community College
- Broward Fire Academy
- Fire Academy of the South

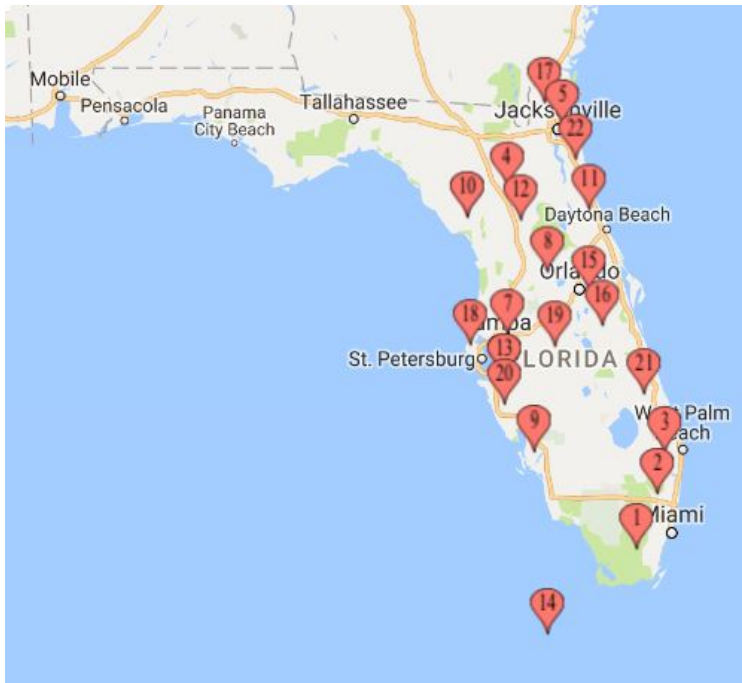
## *Food and Vehicle Donations:*

- Firehouse Subs
- Pearson Nissan
- Marion County Fleet
- Broward Schools
- Waste Management
- Waste Pro
- Florida Transportation Systems
- AmeriGas
- Tampa Airport Authority
- Hillsborough County
- St. Johns County
- Jacksonville Transit Authority
- City of Melbourne



## Market Impact

- 73 Instructors Trained
- 22 of 67 Counties Covered



Any proposed future work is subject to change based on funding levels.

## Future Work/Sustainability

- Coordinate First Responder AFV Safety Workshops on a Regional Basis
- Commence Tow Operator Workshops
- Facilitate Public Engagement
- Track and Assess Training
- Address Skills Gaps and Curriculum Needs
- Identify geographical gaps in training offerings
- Host Training Awards Ceremony at GM Test Track - EPCOT
- Develop sustainability plan to support continued first responder training to include financial assistance through workforce boards and stakeholders; coordination with the Florida State Fire College and Certified Training Providers; and, Coalition outreach activities

# Summary



- Established AFV Safety Training Program for Fire Fighters Approved by the Florida State Fire Marshal
- Created a Database of Florida Fire Fighter Training Institutions and Instructors Certified to Teach AFV Safety Training
- Enabled Florida's Clean Cities Coalitions to Facilitate AFV Safety Training Workshops in their Region
- Introduced AFV Safety Training to National Tow Operator Training Organization
- Identified Regional Workforce Development Board Training Funds for Sustainability